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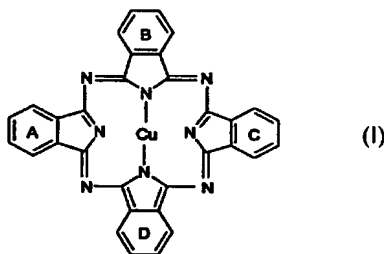
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(54) Title: PHOTSENSITIVE RESIN COMPOSITION COMPRISING A HALOGEN-FREE COLORANT



(57) Abstract: The present invention relates to a photosensitive resin composition comprising a) as a component (A) a green colorant of the formula (I) in which the rings A, B, C and D are substituted by hydroxy or by moiety wherein R<sub>1</sub> is hydrogen or C<sub>1</sub>-C<sub>4</sub>-Alkyl, R<sub>2</sub> is hydrogen or C<sub>1</sub>-C<sub>4</sub>-Alkyl, n is 0, 1, 2 or 3 and the ring E is unsubstituted or substituted by C<sub>1</sub>-C<sub>6</sub>alkyl, C<sub>1</sub>-C<sub>6</sub>alkoxy, hydroxy, NHCOR<sub>3</sub>, NH<sub>2</sub>SO<sub>2</sub>R<sub>4</sub> or SO<sub>2</sub>NHR<sub>5</sub>, wherein R<sub>3</sub> is C<sub>1</sub>-C<sub>4</sub>-Alkyl or phenyl, R<sub>4</sub> is C<sub>1</sub>-C<sub>4</sub>-Alkyl or phenyl and R<sub>5</sub> is C<sub>1</sub>-C<sub>4</sub>-Alkyl or phenyl, b) as a component (B) an alkali soluble oligomer or polymer (reactive or unreactive), c) as a component (C) a polymerizable monomer, d) as a component (D) a photoinitiator, e) as a component (E) an epoxy compound, and also, if desired, f) as a component (F) further additives, used as solder resist, etching resist or plating resist in the manufacture of printed circuit boards.

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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/50849

A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 009 982 A (INAGAKI SYOJI ET AL) 23 April 1991 (1991-04-23) cited in the application claims; examples ---	1-6
A	US 2002/136986 A1 (CHAO CHENG-LI ET AL) 26 September 2002 (2002-09-26) claims; table 2 ---	1-6
A	US 5 789 137 A (ITOH HISATO ET AL) 4 August 1998 (1998-08-04) claim 1 -----	1-6

☐ Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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